

#### ABSTRACT OF THE DISCLOSURE

A plurality of primary detection regions A to I are scanned by switching a beam width and a beam direction of an antenna. The primary detection regions A to I are formed such that one detection region overlaps at least one of other detection regions. A small region (any one of secondary detection region (1) to (14)) corresponding to a region provided by excluding a region corresponding to a sum of set of the detection regions where a detection object was not detected, from a region corresponding to a product set of the primary detection regions where the object was detected is specified as a bearing in which the object exists, based on detection results of the respective primary detection regions.